



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appln. No. : 10/824,317
Applicant : Gregory W. Hoverson et al.
Filed : February 27, 2002

Patent No. : 7,112,236
Issued : September 26, 2006

Title : Multistage Space-Efficient
Electrostatic Collector

TC/A.U. : 1724
Examiner : Richard I. Chiesa

Docket No. : 4695-00097

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 10th day of October, 2006.

JoAnn Kuczynski 10-10-06
JoAnn Kuczynski Date

LETTER OF RECORD

Certificate of Correction Branch
Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Please place this "Letter of Record" in the file for the above case.

IN THE CLAIMS:

CLAIM 1 Delete "also
Col. 4, Line 32 therefor --
(Claim 3, Line 2)
Amendment: 04/25/2006

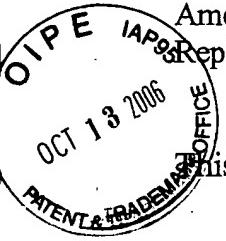
Delete "alone" and substitute
therefor ---along---

Respectfully submitted,

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Amendment dated April 25, 2006

Reply to Office action of February 6, 2006

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-2 (canceled)

Claim 3 (currently amended): ~~The multistage space efficient electrostatic collector according to claim 2-A multistage space-efficient electrostatic collector for cleaning a gas flowing therethrough along a gas flow path comprising a first stage comprising a first corona discharge zone along said gas flow path, and a second stage comprising a second corona discharge zone along said gas flow path and spaced along said gas flow path from said first corona discharge zone, and comprising a corona discharge electrode and two ground planes, said first corona discharge zone being between said corona discharge electrode and the first of said ground planes, said second corona discharge zone being between said corona discharge electrode and the second of said ground planes, wherein said second ground plane comprises a canister extending axially along an axis, and said corona discharge electrode comprises a hollow drum in said canister and extending axially along said axis, said first corona discharge zone being inside said drum, said second corona discharge zone being outside said drum.~~

Claim 4 (original): The multistage space-efficient electrostatic collector according to claim 3 wherein said first ground plane is inside said drum.

Claim 5 (currently amended): ~~The multistage space efficient electrostatic collector according to claim 2-A multistage space-efficient electrostatic collector for cleaning a gas flowing therethrough along a gas flow path comprising a first stage comprising a first corona discharge zone along said gas flow path, and a second stage comprising a second corona discharge zone along said gas flow path and spaced along said gas flow path from said first corona discharge~~